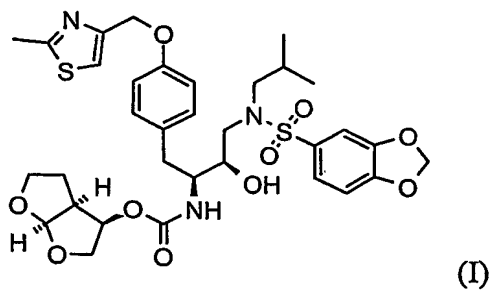


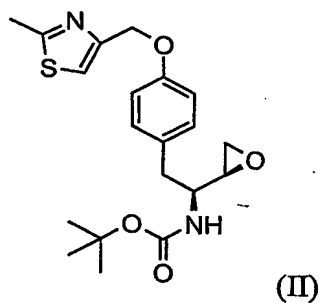
Claims

1. A process for the preparation of a compound of formula (I)

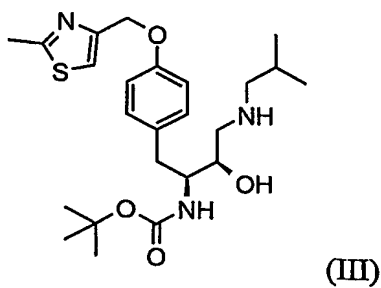


5 comprising :

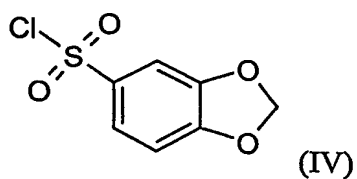
- (a) treating a compound of formula (II)



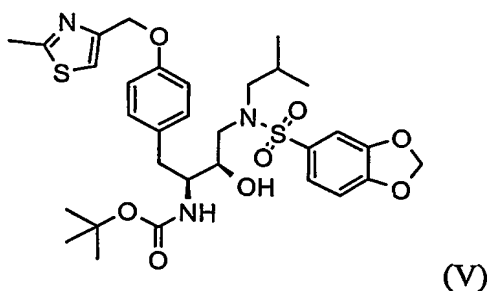
with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III)



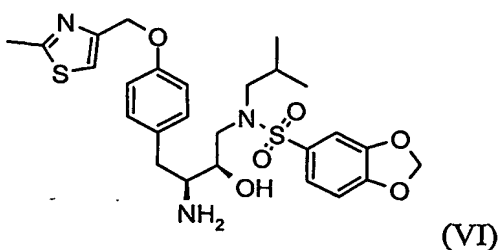
- (b) treating a compound of formula (III) with a compound of formula (IV)



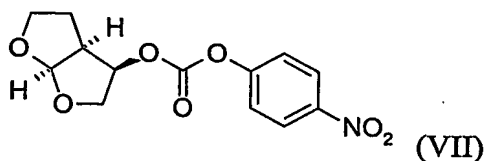
in the presence of an aqueous base to form a compound of formula (V)



(c) deprotecting a compound of formula (V) to form a compound of formula (VI)



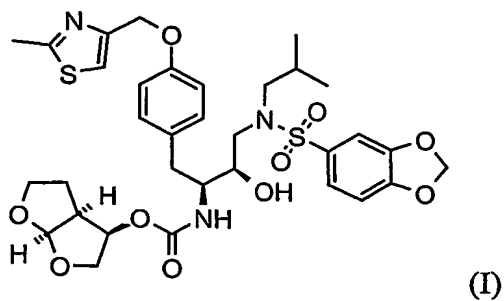
(d) coupling a compound of formula (VI) with a compound of formula (VII)



to yield a compound of formula (I).

2. A process for the preparation of a compound of formula (I) comprising steps (a), (b), (c) and (d) according to claim 1 wherein steps (a) and (b) are combined in a one-pot reaction to yield a compound of formula (V) which is isolated and in which steps (c) and (d) are combined in a one-pot reaction to yield a compound of formula (I).

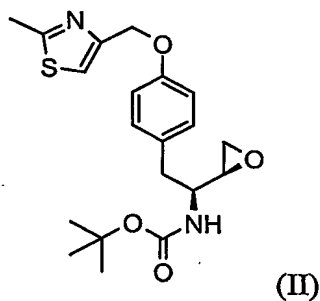
3. A process for the preparation of a compound of formula (I)



(I)

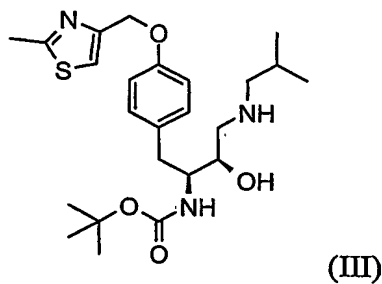
comprising :

(a) treating a compound of formula (II)



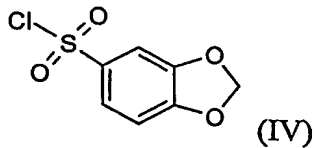
(II)

with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III);



(III)

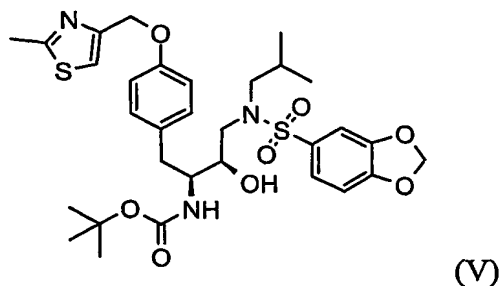
(b) treating a compound of formula (III) with a compound of formula (IV)



(IV)

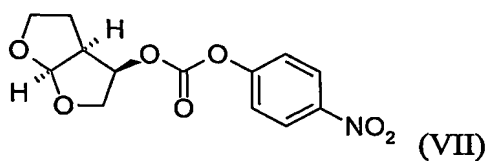
in the presence of an aqueous base to form a compound of formula (V)

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(V)

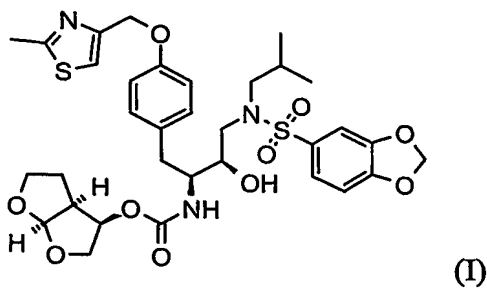
(c) deprotecting a compound of formula (V) and coupling with a compound of formula (VII)



(VII)

5 to form a compound of formula (I).

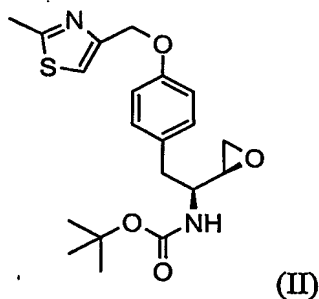
4. A process for the preparation of a compound of formula (I)



(I)

comprising :

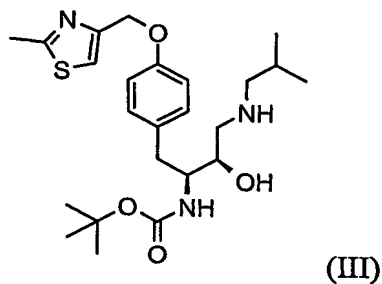
(a) treating a compound of formula (II)



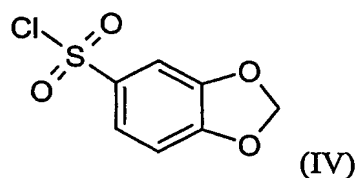
(II)

10 with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III)

28

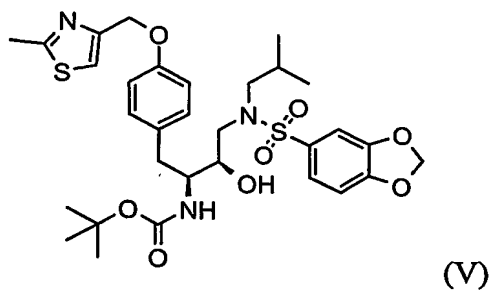


(b) treating a compound of formula (III) with a compound of formula (IV)

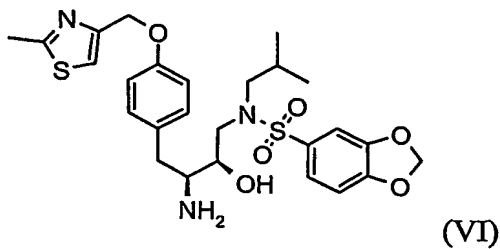


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in the presence of an aqueous base to form a compound of formula (V)

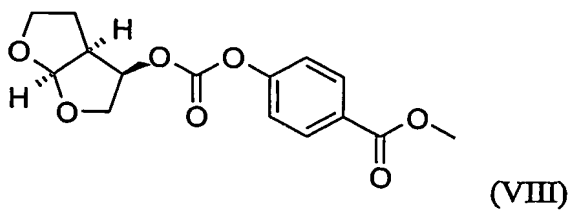


(c) deprotecting a compound of formula (V) to form a compound of formula (VI)



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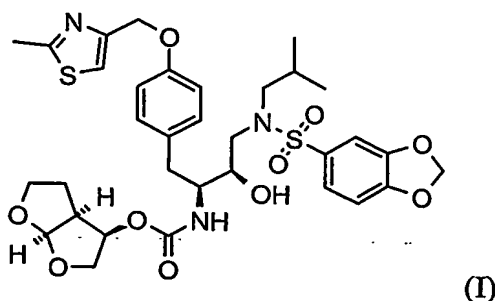
(d) coupling a compound of formula (VI) with a compound of formula (VIII)



to yield a compound of formula (I).

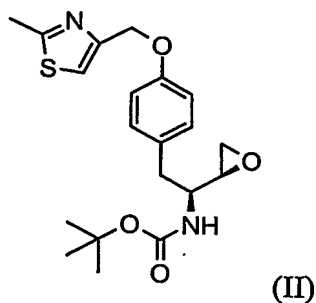
5. A process for the preparation of a compound of formula (I) comprising steps (a), (b), (c) and (d) according to claim 4 wherein steps (a) and (b) are combined in a one-pot reaction to yield a compound of formula (V) which is isolated and in which steps (c) and (d) are combined in a one-pot reaction to yield a compound of formula (I).

6. A process for the preparation of a compound of formula (I)

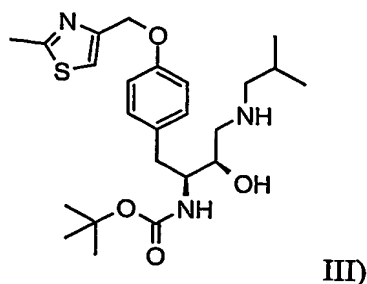


10 comprising :

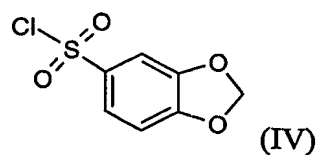
- (a) treating a compound of formula (II)



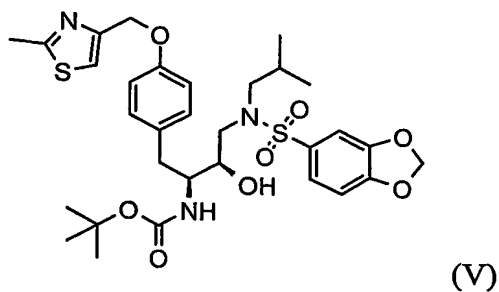
with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III)



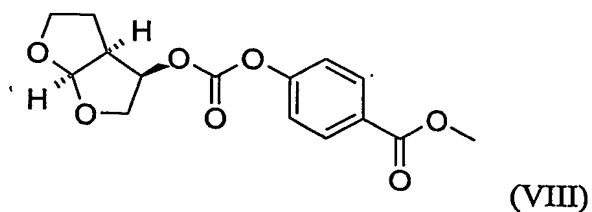
- (b) treating a compound of formula (III) with a compound of formula (IV)



in the presence of an aqueous base to form a compound of formula (V)

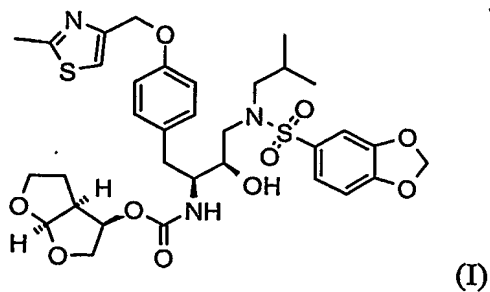


(c) deprotecting a compound of formula (V) and coupling with a compound of formula (VIII)



to form a compound of formula (I).

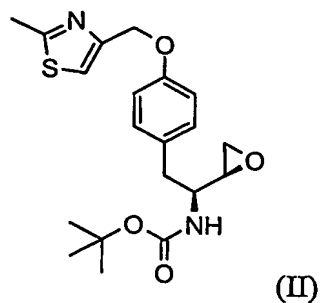
7. A process for the preparation of a compound of formula (I)



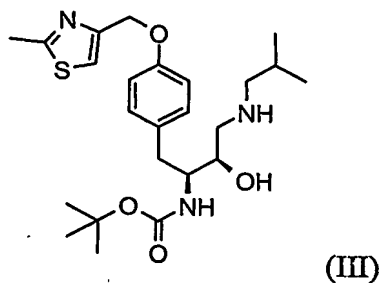
comprising :

(a) treating a compound of formula (II)

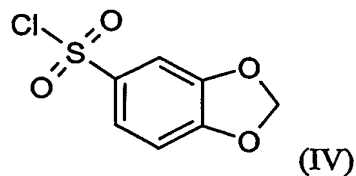
31



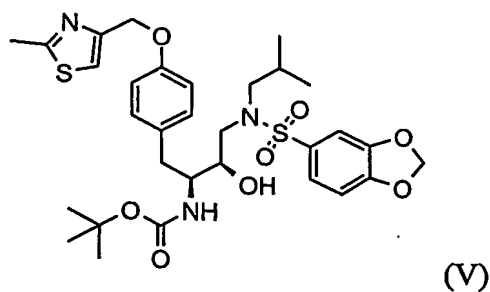
with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III)



5 (b) treating a compound of formula (III) with a compound of formula (IV)



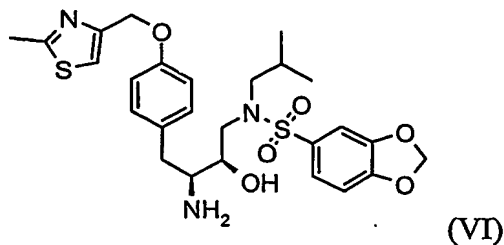
in the presence of an aqueous base to form a compound of formula (V)



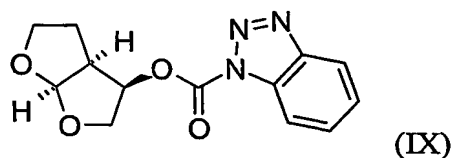
10 (c) deprotecting a compound of formula (V) to form a compound of formula (VI)



32



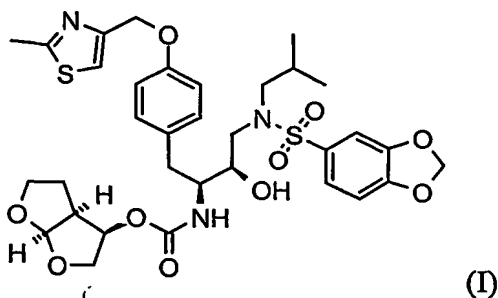
(e) coupling a compound of formula (VI) with a compound of formula (IX)



to yield a compound of formula (I).

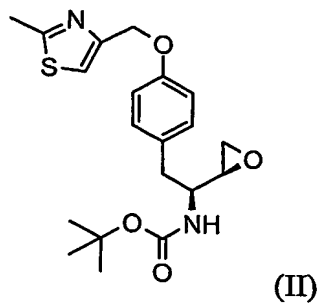
10. A process for the preparation of a compound of formula (I) comprising steps (a), (b), (c) and (d) according to claim 8 wherein steps (a) and (b) are combined in a one-pot reaction to yield a compound of formula (V) which is isolated and in which steps (c) and (d) are combined in a one-pot reaction to yield a compound of formula (I).

11. A process for the preparation of a compound of formula (I)

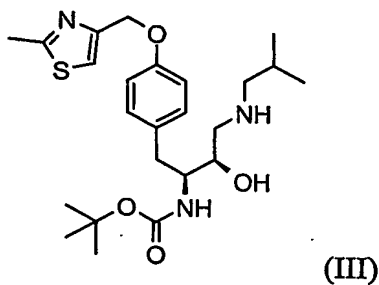


comprising :

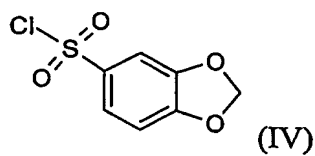
(a) treating a compound of formula (II)



with excess isobutylamine in an alcohol-containing solvent to form a compound of formula (III)

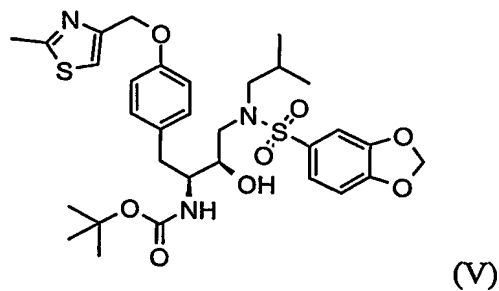


5 (b) treating a compound of formula (III) with a compound of formula (IV)

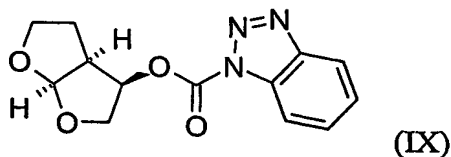


in the presence of an aqueous base to form a compound of formula (V)

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(c) deprotecting a compound of formula (V) and coupling with a compound of formula (IX)



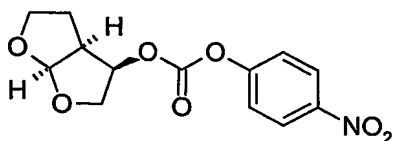
to form a compound of formula (I).

12. A process according to any of claims 1 - 11 wherein the alcohol-containing solvent is acetonitrile-methanol.

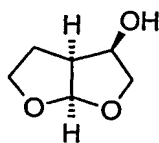
13. A process according to any of claims 1 - 11 wherein the aqueous base is sodium bicarbonate.

14. A process according to any of claims 1 - 11 wherein step (b) is performed in the presence of non-aqueous base.

15. A process for the preparation of (3*R*,3*aS*,6*aR*)-hexahydrofuro[2,3-*b*]furan-3-yl 4-nitrophenyl carbonate of the formula

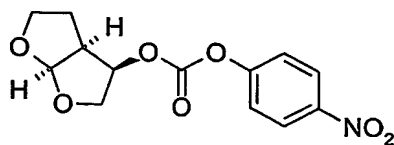


comprising reacting (3*S*,3*aR*,6*aS*)-hexahydrofuro[2,3-*b*]furan-3-ol of the formula



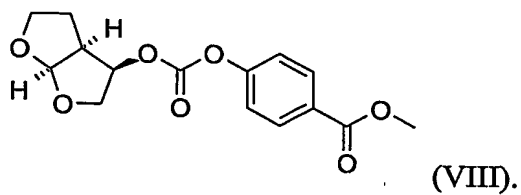
with 4-nitrophenyl chloroformate in a suitable solvent to form (3*R*,3*aS*,6*aR*)-hexahydrofuro[2,3-*b*]furan-3-yl 4-nitrophenyl carbonate.

16. (3*R*,3*aS*,6*aR*)-hexahydrofuro[2,3-*b*]furan-3-yl 4-nitrophenyl carbonate of the formula



made by the process according to claim 15.

- 5 17. A compound of formula (VIII)



18. A compound of formula (IX)

10

